



LCP-60

ORDERCODE 50420



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Congratulations!

You have bought a great, innovative product from Showtec.

The Showtec LCP-60 brings excitement to any venue. Whether you want simple plug-&-play action or a sophisticated DMX show, this product provides the effect you need.

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So next time, turn to Showtec for more great lighting equipment.

Always get the best -- with Showtec !

Thank you!



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WARNING



CAUTION!
Keep this device away from rain and moisture!
Unplug mains lead before opening the housing!



**FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY
BEFORE YOUR INITIAL START-UP!**

SAFETY INSTRUCTIONS

Every person involved with the installation, operation and maintenance of this device has to:

- be qualified
- follow the instructions of this manual



CAUTION! Be careful with your operations.
With a dangerous voltage you can suffer
a dangerous electric shock when touching the wires!



Before your initial start-up, please make sure that there is no damage caused by transportation. Should there be any, consult your dealer and do not use the device.

To maintain perfect condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this manual.

Please consider that damages caused by manual modifications to the device are not subject to warranty.

This device contains no user-serviceable parts. Refer servicing to qualified technicians only.

IMPORTANT:

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to the device.

- Never let the power-cord come into contact with other cables! Handle the power-cord and all connections with the mains with particular caution!
- Never remove warning or informative labels from the unit.
- Never use anything to cover the ground contact.
- Do not open the device and do not modify the device.
- Never leave any cables lying around.
- Do not insert objects into air vents.
- Do not switch the device on and off in short intervals, as this would reduce the device's life.
- Do not shake the device. Avoid brute force when installing or operating the device.
- Only use device indoor, avoid contact with water or other liquids.
- Only operate the fixture after having checked that the housing is firmly closed and all screws are tightly fastened.
- Only operate the device after having familiarized with its functions.
- Avoid flames and do not put close to flammable liquids or gases.
- Always keep case closed while operating.
- Always allow free air space of at least 50 cm around the unit for ventilation.
- Always disconnect power from the mains, when device is not used or before cleaning! Only handle the power-cord by the plug. Never pull out the plug by tugging the power-cord.
- Make sure that the device is not exposed to extreme heat, moisture or dust.
- Make sure that the available voltage is not higher than stated on the rear panel.
- Make sure that the power-cord is never crimped or damaged. Check the device and the power-cord from time to time.
- If device is dropped or struck, disconnect mains power supply immediately. Have a qualified engineer inspect for safety before operating.

- If the device has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation water might damage your device. Leave the device switched off until it has reached room temperature.
- If your Showtec device fails to work properly, discontinue use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Showtec dealer for service.
- For adult use only. The device must be installed out of the reach of children. Never leave the unit running unattended.
- The user is responsible for correct positioning and operating of the LCP-60. The manufacturer will not accept liability for damages caused by the misuse or incorrect installation of this device.
- This device falls under protection class I. Therefore it is essential to connect the yellow/green conductor to earth.
- During the initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective.
- Repairs, servicing and electric connection must be carried out by a qualified technician.
- WARRANTY: Till one year after date of purchase.



OPERATING DETERMINATIONS

This device is not designed for permanent operation. Consistent operation breaks will ensure that the device will serve you for a long time without defects.

The minimum distance between light-output and the illuminated surface must be more than 1.3 meter.

The maximum ambient temperature t_a must never be exceeded.

If this device is operated in any other way, than the one described in this manual, the product may suffer damages and the warranty becomes void.

Any other operation may lead to dangers like short-circuit, burns, electric shock, lamp explosion, crash etc.

You endanger your own safety and the safety of others!

Make sure that the device is always connected properly to the earth!

Description of the device

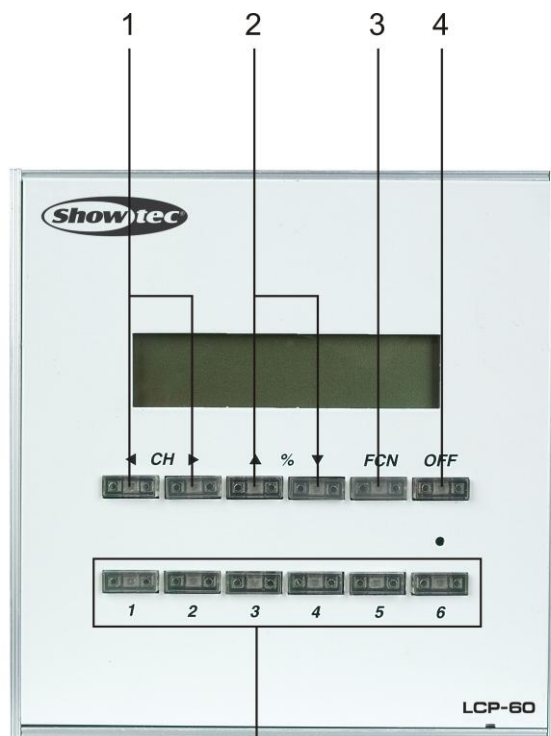
Features

The Showtec LCP-60 is a DMX Wall controller from Showtec.

- Ideal controller for small DMX-venues and domestic use
- 60 DMX Channels
- DMX-512
- Indoor use
- Timer with calendar function
- Easy to use
- Press 【1...6】 key to loading the chase setting (hot key)
- Chaser function:
- Chaser function
- Speeding of chaser
- Color mix
- LCD display
- Control key lock / unlock function
- Timing edit and modify
- Time preset / auto execution
- Save up to 40 scenes memory
- 6 set of chaser memory, up to 24 step per set
- Included RJ11 connector and cable

NOTE: Knowledge of DMX is required to fully utilize this unit

Overview



- 1) Channel Up/Down
- 2) %/Down
- 3) FCN
- 4) OFF
- 5) 1-6 Chases



Fig. 1

Note: You have to buy an external power adapter (12v 500mA) and a XLR plug and solder them together to use your LCP-60 (See Page 6 how to connect).

Backside



Fig. 2

Installation

Damages caused by non-observance are not subject to warranty.

Set Up and Operation

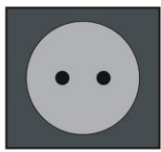
Follow the directions below, as they pertain to your preferred operation mode.

Before plugging the unit in, always make sure that the power supply matches the product specification voltage. Do not attempt to operate a 120V specification product on 230V power, or vice versa.

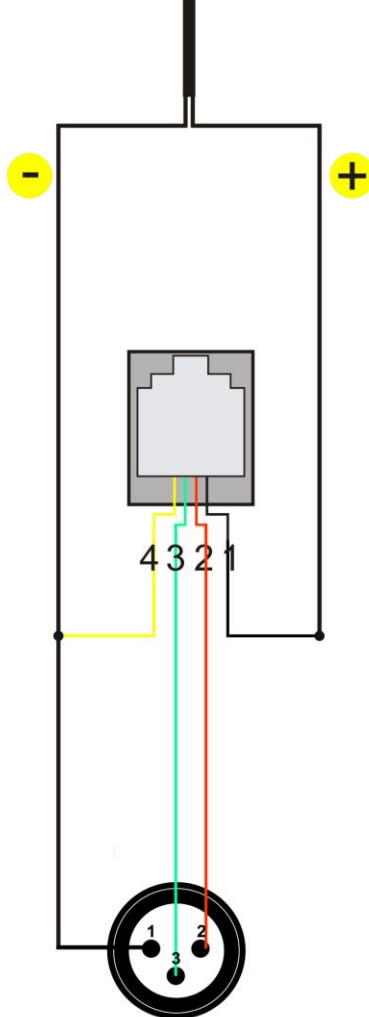
Connection / Making the XLR-RJ11 cable

While you are using LCP-60 as control Panel to connect between ECP control panel and EDX dimmer pack by phone Jack cable. The definition of DMX connection pin for ECP-101(A)/ECP-102(A)/ECP-103(A) is same as those of EDX series dimmer pack , please refer to drawing beside.

Power Adapter 12V 500mA



Not included !



- 1: +12V ●
- 2: Data+ ●
- 3: Data - ●
- 4: Ground ●

- 1: Ground
- 2: Signal (+)
- 3: Signal (-)

XLR plug

3-Pins canon (socket)

- Pin 1 : GND(screen)
- Pin 2 : Signal (+)
- Pin 3 : Signal (-)



Not Included !

Menu Overview



→ F1: MODIFY CH
F2: EDIT CHASER
F3: MAXIMUM CH
F4: EDIT TIMER
F5: MODIFY CLOCK
F6: TIMER ON/OFF
F7: LOAD SC
F8: START DMX
BACK HOMEPAGE?

Press the **FCN** button and then press ▲ or ▼ to scroll through the menu.

2.1 CONTROL KEY lock / unlock

STEP-1

First press and hold ◀ + ▶ , then press **FCN** to lock / unlock the buttons.

2.2 SCENE setting

2.2.1 Scene setting

STEP-1

Press the **FCN** button and then press ▲ or ▼ to choose **F1**. Then push FCN to enter the menu.



→ F1: MODIFY CH
F2: EDIT CHASER

STEP-2

Press ▲ or ▼ to change the change the channel value.



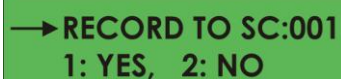
CH 01 ----- > 0 %

STEP-3

Press ◀ or ▶ to select the control channels (1-60).

STEP-4

Press the **FCN** button to save, and then press ▲ or ▼ to select the scene SC:001 - SC:040.
Press **1** to store your scene, press **2** to cancel and exit.



→ RECORD TO SC:001
1: YES, 2: NO

2.2.2 Scene Loading

STEP-1

Press the **FCN** button and then press ▲ or ▼ to select **F7**.

→ **F7: LOAD SC**
F8: START DMX

STEP-2

Press the **FCN** button to enter the menu.

STEP-3

Press ▲ or ▼ to select a scene SC:001 - SC:040 ,and then press **FCN** to load the desired scene.

LOAD SC: 001

2.3 CHASER Edit & Modify

2.3.1 CHASER Edit & Modify

STEP-1

Press the **FCN** button and then press ▲ or ▼ to select **F2**.

→ **F2: EDIT CHASER**
F3: MAXIMUM CH

STEP-2

Press the **FCN** button to enter the menu.

EDIT CHASER: 001
1. NEXT, 2. QUIT

STEP-3

Press ▲ or ▼ to select CHASER01~CHASER06. Press **1** to edit the chase or press **2** to quit and exit.

STEP-4

Press ◀ or ▶ STEP 01 – 24 to select the step, and ▲ or ▼ SC01 - SC40 to select the desired scene, press **FCN** to save and quit.

STEP 01= SC 001
Press 'Fnc'quit

Warning ! You have to have a scene programmed in order to choose the next step.

Continue adding scenes to steps until you are satisfied with the amount of steps in the chase.
When you're finished adding steps, press **FCN**.

CHASE SPED = 0.1S
KEEPTIME=0.1S ◀ ▶

Speed time

Waiting Time

Press ▲ or ▼ to change the Chase Speed time.
 Press ◀ or ▶ to change the Keep Time (=Wait Time).

Press the **FCN** button to continue.



Change Chase Mode
 Speed Time becomes Fade Time when set ON

Press ▲ or ▼ to change the Chase Mode.
 Press ◀ or ▶ to change the Fade Time.

Press the **FCN** button to save and continue to the homepage.



2.4 Change Speed / Mode

Press ▲ or ▼ to ENTER the CHASER SPEED Menu



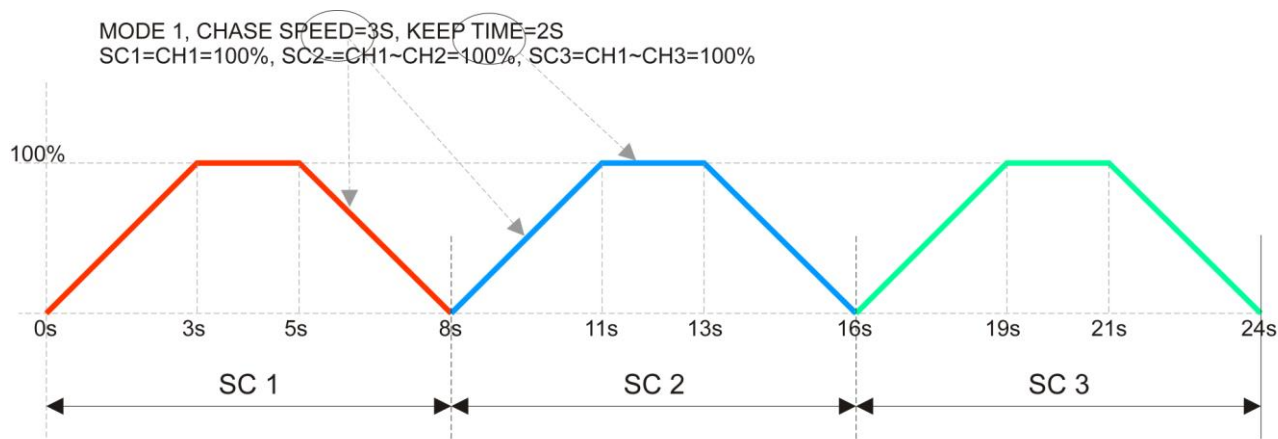
Press ▲ or ▼ to change the CHASE SPEED from 0.1 Sec. ~99 Min.
 Press ◀ or ▶ to modify KEEP TIME (=wait time) 0.1 Sec. ~99 Min. This will adjust the setting of the current Chase.

Press the **FCN** button to continue.

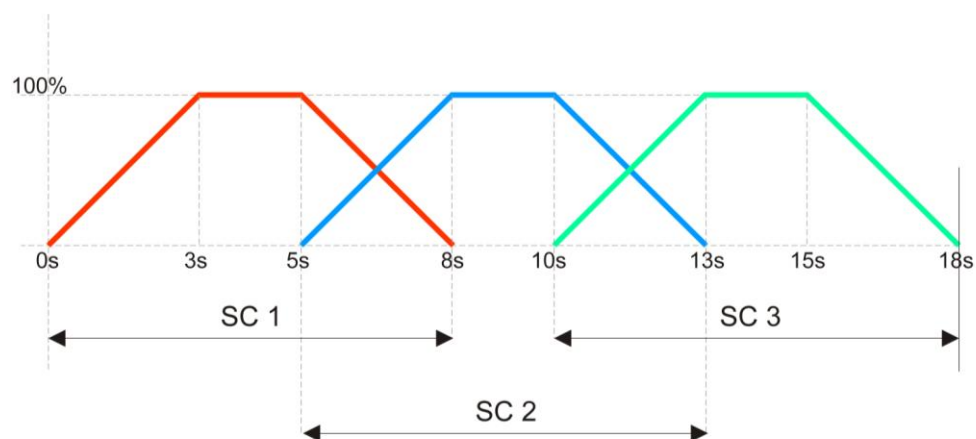


Change Chase Mode
 Speed Time becomes Fade Time when set ON

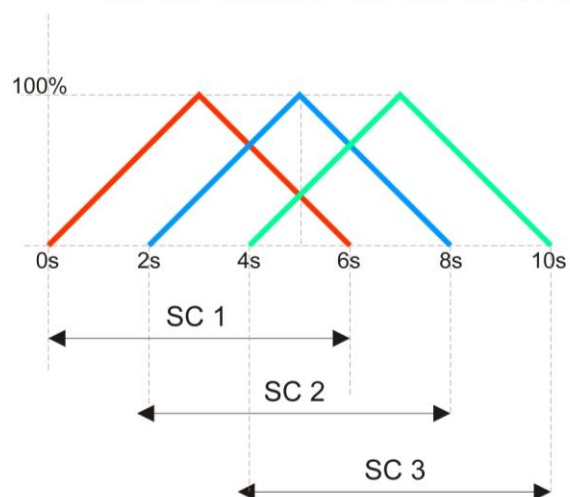
Press **FCN** to save and exit.



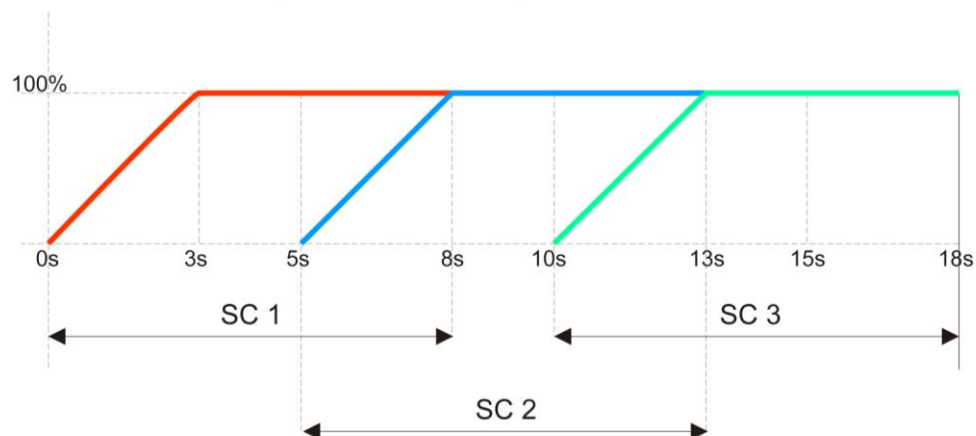
MODE 2, CHASE SPEED=3S, KEEP TIME=2S
 SC1=CH1=100%, SC2=CH1~CH2=100%, SC3=CH1~CH3=100%



MODE 3, CHASE SPEED=3S, KEEP TIME=2S (unavailable)
 SC1=CH1=100%, SC2=CH1~CH2=100%, SC3=CH1~CH3=100%



MODE 4, CHASE SPEED=3S, KEEP TIME=2S
 SC1=CH1=100%, SC2=CH1~CH2=100%, SC3=CH1~CH3=100%



2.5 Making a TIMER

2.5.1 TIMER Switch on / off

STEP-1

Press the **FCN** button and then press ▲ or ▼ to select **F6**.

→ **F6: TIMER ON/OFF**
F7: LOAD SC

STEP-2

Press the **FCN** button to enter the menu.

TIMER ON,OFF

STEP-3

Press ▲ or ▼ to select ON or OFF, and press the **FCN** button to save and exit.

Note: When you have selected **TIMER : ON**, the letter **"T"** flashes in the righthand corner of the LCD display.

2.5.2 TIMER setting

STEP-1

Press the **FCN** button and then press ▲ or ▼ to select **F4**.

→ **F4: EDIT TIMER**
F5: MODIFY CLOCK

STEP-2

Press the **FCN** button to enter the menu.

==== **END** ====
<-,> **REVIEW DAT**

==== **END** ====
2DEL 3ADD 4EDIT

STEP-3

Press **3** to add a **TIMER**.

STEP-4

Press ▲ or ▼ to adjust the hours (TIME).

TIME=00:00, MOD=1
CHS=00, SPD=0.1S

STEP-5

Press ► to go to the minutes (TIME), and press ▲ or ▼ to adjust minutes.

TIME=00:00, MOD=1
CHS=00, SPD=0.1S

STEP-6

Press ► go to MOD, and press ▲ or ▼ to adjust the mode (1-4).

TIME=00:00, MOD=1
CHS=00, SPD=0.1S

STEP-7

Press ► to go to CHS, press ▲ or ▼ to adjust the chase (00-06).

TIME=00:00, MOD=1
CHS=00, SPD=0.1S

STEP-8

Press ► to go to SPD, press ▲ or ▼ to adjust the chase (0.1Sec-99Min.).

TIME=00:00, MOD=1
CHS=00, SPD=0.1S

STEP-9

Press ► to go to the selection of the day. Press ▲ or ▼ to choose the day.

WD: x.x.x.x.x.x.x
KEEP TIME=0.1S

You can choose 1.2.3.4.5.6.7

STEP-10

Press ► to go to KEEP TIME. Press ▲ or ▼ to change the KEEP TIME (0.1Sec-10Sec.).

WD: x.x.x.x.x.x.x
KEEP TIME=0.1S

Keep Time = Wait Time

Press the **FCN** button to save and return to the menu.

TIME=00:00, MOD=1
CHS=01, SPD=0.1S

Press ◀ or ▶ to scroll to page 2.

==== END ====
<-,> REVIEW DAT

==== END ====
2DEL 3ADD 4EDIT

Press the **FCN** button to save and exit.

2.5.3 TIMER modify

STEP-1

Press the **FCN** button and then press ▲ or ▼ to select **F4**.

→ F4: EDIT TIMER
F5: MODIFY CLOCK

STEP-2

Press the **FCN** button to enter the menu.

==== END ====
<-,> REVIEW DAT

==== END ====
2DEL 3ADD 4EDIT

STEP-3

Press **4** to edit the TIMER.

STEP-4

Press ◀ or ▶ to select, and press ▲ or ▼ to adjust (please refer to 2.5.2) .

STEP-5

Press the **FCN** button to confirm and save the setting.

2.5.4 TIMER delete

STEP-1

Press the **FCN** button and then press ▲ or ▼ to select **F4**.

→ F4: EDIT TIMER
F5: MODIFY CLOCK

STEP-2

Press the **FCN** button to enter the menu.

==== END ====
<-,> REVIEW DAT

==== END ====
2DEL 3ADD 4EDIT

STEP-3

Press ◀ or ▶ to select the TIMER, press **2** to delete.

TIME=00:00, MOD=1
CHS=00, SPD=0.1S

STEP-4

Press **1** to confirm and save the setting, or **2** to skip.

DEL THIS TIMER ?
1: YES, 2: NO

2.5.5 System timing modify

STEP-1

Press the **FCN** button and then press **▲** or **▼** to select **F5**.

→ **F5: MODIFY CLOCK**
F6: TIMER ON/OFF

STEP-2

Press the **FCN** button to enter the menu.

STEP-3

Press **►** or **◄** to select the value, you want to modify . Then press **▲** or **▼** to modify date and time.

08' FEB, 24, WED.
11:29:14

STEP-4

Press the **FCN** button to save and exit.

To stop an active timer chase, you have to create an “empty” timer: press FCN and choose option F4. Press 3 to add a timer but now choose CHS=00 for the chase number the timer with play chase 00 at the given time, chase 00 is an empty chase. So at the given time, an empty chase will be activated. This empty chase has no channel values, so no DMX will be outputted.

2.6 CONTROL CHANNEL setting

2.6.1 Max. control channel setting

STEP-1

Press the **FCN** button and then press **▲** or **▼** to select **F3**.

→ **F3: MAXIMUM CH**
F4: EDIT TIMER

STEP-2

Press the **FCN** button to enter the menu.

STEP-3

Press **▲ / ▼ / ◄ / ►** to modify channel.

MAXIMUM CH: 060

STEP-4

Press the **FCN** button to save and exit.

2.6.2 Control channel switch

STEP-1

To power off go to the Homepage and press **FCN**. Then press OFF to shut off the device. Press **FCN** to turn the LCP back on.

2.7 Start DMX

STEP-1

Press the **FCN** button and then press ▲ or ▼ to select **F8**



→ **F8: START DMX**
BACK HOMEPAGE ?

STEP-2

Press the **FCN** button to enter the menu.

Press ▲ or ▼ to select the DMX starting address (001-512) of the LCP-60.

Press the **FCN** button to save and exit.

Maintenance

The operator has to make sure that safety-relating and machine-technical installations are to be inspected by an expert after every four years in the course of an acceptance test.

The operator has to make sure that safety-relating and machine-technical installations are to be inspected by a skilled person once a year.

The following points have to be considered during the inspection:

1. All screws used for installing the device or parts of the device have to be tightly connected and must not be corroded.
2. There may not be any deformations on housings, fixations and installation spots.
3. Mechanically moving parts like axles, eyes and others may not show any traces of wearing.
4. The electric power supply cables must not show any damages or material fatigue.

The Showtec LCP-60 requires almost no maintenance. However, you should keep the unit clean.

Otherwise, the light-output will be significantly reduced. Disconnect the mains power supply, and then wipe the cover with a damp cloth. Do not immerse in liquid. Wipe lens clean with glass cleaner and a soft cloth. Do not use alcohol or solvents.

The front glass will require weekly cleaning, as smoke-fluid tends to build up residues, reducing the light-output very quickly.

Please clean internal components once a year with a light brush and vacuum cleaner.

Keep connections clean. Disconnect electric power, and then wipe the DMX and audio connections with a damp cloth. Make sure connections are thoroughly dry before linking equipment or supplying electric power.

Troubleshooting

This troubleshooting guide is meant to help solve simple problems.

If a problem occurs, carry out the steps below in sequence until a solution is found. Once the unit operates properly, do not carry out following steps.

1. If the device does not operate properly, unplug the device.
2. Check the fuse, power from the wall, all cables etc.
3. If all of the above appears to be O.K., plug the unit in again.
4. If you are unable to determine the cause of the problem, do not open the device, as this may damage the unit and the warranty will become void.
5. Return the device to your Showtec dealer.

No Power

This troubleshooting guide is meant to help solve simple problems. If a problem occurs, carry out the steps below in sequence until a solution is found. Once the unit operates properly, do not carry out following steps.

If the LCP-60 does not operate properly, refer servicing to a technician.

Problem area: the power supply.

1. Power supply. Check that the unit is plugged into an appropriate power supply.

No Response to DMX

Response: Suspect the DMX cable or connectors, a controller malfunction.

1. Check the DMX setting. Make sure that DMX addresses are correct.
2. Check the DMX cable: Unplug the unit; change the DMX cable; then reconnect to electrical power. Try your DMX control again.
3. Determine whether the controller or light effect is at fault. Does the controller operate properly with other DMX products ? If not, take the controller in for repair. If so, take the DMX cable and the light effect to a qualified technician.

Product Specification

Model: Showtec LCP-60

Voltage: AC 230V-50Hz (CE)

Dimensions: 117 x 120 x 45 mm (LxWxH)

Weight: 0,36 kg

Operation and Programming

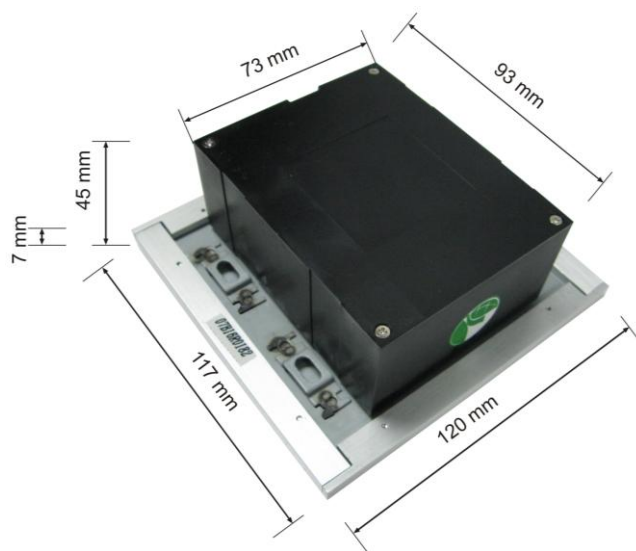
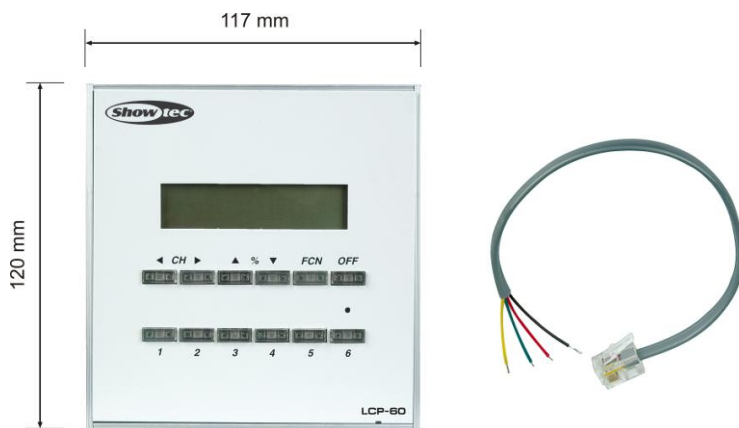
DMX-control via standard DMX-controller

Signal pin OUT : pin 1 earth, pin 2 (-), pin 3 (+)

Signal input 3-pin XLR male

Signal output 3-pin XLR female

Power Adapter and XLR plug not included



Design and product specifications are subject to change without prior notice.



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